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DERWENT-WEEK: 198425
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TITLE: Physics teaching aid - test tube contains liquid
with floating body
resembling undersized cork, tube turned upside down to
demonstrate air-pressure
effect

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PRIORITY-DATA: 1980SU-2939519 (May 30, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
SU 1045245 A	September 30, 1983	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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INT-CL_(IPC): G09B023/06

ABSTRACTED-PUB-NO: SU 1045245A

BASIC-ABSTRACT: The aid has a transparent cylindrical vessel, such as a test tube, containing a liquid and float. The aid is enabled to demonstrate the upward motion of a body in such a vessel under the action of atmospheric pressure. For this purpose, the body (float) has the shape of a truncated cone of neutral buoyancy, whose height exceeds the diameter of the vessel. The maximum diameter of the float is less than the internal diameter of the vessel.

The tube is turned upside down from its upright position, finishing up inclined

to the vertical in the position shown. Liquid (2) starts to flow out through the gap between body (3) and the wall of the vessel, while (3) moves upward in (1) under the effects of air pressure. Bul.36/30.9.83

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS:

PHYSICS TEACH AID TEST TUBE CONTAIN LIQUID FLOAT BODY
RESEMBLE UNDERSIZE CORK
TUBE TURN UPSIDE DOWN DEMONSTRATE AIR PRESSURE EFFECT

DERWENT-CLASS: P85

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1984-116559